

**FRIEDMAN & BRUYA, INC.**

**ENVIRONMENTAL CHEMISTS**

Date of Report: May 24, 1996

Date Received: May 16, 1996

Project: NPDES, Po #M53343

Date Analyzed: May 22, 1996

**RESULTS FROM THE ANALYSIS OF PROCESS WATER SAMPLES  
FOR SPECIFIC GRAVITY @ 15.56 °C**

<u>Sample ID</u>	<u>Specific Gravity</u>
M53343A Small Tank	1.18
M53343B Large Tank	1.14

**FRIEDMAN & BRUYA, INC.**

**ENVIRONMENTAL CHEMISTS**

Date of Report: May 24, 1996

Date Received: May 16, 1996

Project: NPDES, Po #M53343

**QUALITY ASSURANCE RESULTS  
FOR SPECIFIC GRAVITY**

Laboratory Code: 69061 (Duplicate)

<u>Analyte:</u>	<u>Reporting Units</u>	<u>Sample Result</u>	<u>Duplicate Result</u>	<u>Relative Percent Difference</u>
Specific Gravity	@ 15.56°C	1.14	1.14	0.0

**FRIEDMAN & BRUYA, INC.**

**ENVIRONMENTAL CHEMISTS**

Date of Report: May 24, 1996

Date Received: May 16, 1996

Project: NPDES, Po #M53343

Date Analyzed: May 22, 1996

**RESULTS FROM THE ANALYSIS OF PROCESS WATER SAMPLES  
FOR % ACID BY VOLUME**

<u>Sample ID</u>	<u>% Acid by Volume</u>
M53343A Small Tank	8.1
M53343B Large Tank	7.6

**FRIEDMAN & BRUYA, INC.**

**ENVIRONMENTAL CHEMISTS**

Date of Report: May 24, 1996

Date Received: May 16, 1996

Project: NPDES, Po #M53343

**QUALITY ASSURANCE RESULTS  
FOR % ACID BY VOLUME**

Laboratory Code: 69061 (Duplicate)

<u>Analyte:</u>	<u>Reporting Units</u>	<u>Sample Result</u>	<u>Duplicate Result</u>	<u>Relative Percent Difference</u>
Acid	% by volume	7.6	7.6	0



26'  
FRIEDMAN & BRUYA, INC.  
3042 16th Avenue West  
Seattle, WA 98119-2029  
(206) 285-8282

SAMPLE CHAIN OF CUSTODY

AI KMS  
5.16.96  
4:40

Send Report To: Alaskan Copper Works Contact Gerald Thompson  
Company 628 Hanson St  
Address Seattle WA 98134  
City, State, Zip (206) 382-8335 Date 5/16/96  
Phone #

SITE NO. 7238 PROJECT NAME M 53343 PURCHASE ORDER # M 53343

SAMPLERS (signature) [Signature] PROJECT LOCATION

REMARKS SAMPLE DISPOSAL INFORMATION  
☐ Dispose after 30 days  
☒ Return Samples  
☐ Call for Instructions

Sample #	Date/Time Sampled	Type of Sample	# of Jars	Lab Sample #	Analyses Requested
M 53343A	1 <sup>30</sup> PM 5/16	HNO3	1	49060	% of Acid : S.G.
Small TANK					
M 53343B	1 <sup>30</sup> PM 5/16	HNO3	1	69061	% of Acid : S.G.
LS TANK					

SIGNATURE	PRINT NAME	COMPANY	Date	Time
Relinquished by: <u>[Signature]</u>	GERALD A. Thompson	A.C.W	5/16/96	2:30
Received by: <u>Cathy Downing</u>	Cathy Downing	FBI	5/16/96	2:30
Relinquished by:				
Received by:				

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Andrew John Friedman  
James E. Bruya, Ph.D.  
(206) 285-8282

3012 16th Avenue West  
Seattle, WA 98119-2029  
FAX: (206) 283-5044

May 24, 1996

Gerald Thompson, Project Manager  
Alaskan Copper Works  
628 South Hanford  
Seattle, WA 98134

Dear Mr. Thompson:

Enclosed are the results from the testing of material submitted on May 16, 1996  
from your NPDES, Po #M53343 project.

We appreciate this opportunity to be of service to you and hope you will call if you  
should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Kurt Johnson  
Chemist

keh  
Enclosures  
ACU0524R.DOC

**FRIEDMAN & BRUYA, INC.**

**ENVIRONMENTAL CHEMISTS**

Andrew John Friedman  
James E. Bruya, Ph.D.  
(206) 285-8282

3012 16th Avenue West  
Seattle, WA 98119-2029  
FAX: (206) 283-5044

May 24, 1996

**INVOICE # 96ACU0524-1  
DUPLICATE COPY**

Accounts Payable  
Alaskan Copper Works  
628 South Hanford  
Seattle, WA 98134

RE: Project NPDES, Po #M53343: Results of testing requested by Gerald Thompson, Project Manager for material submitted on May 16, 1996.

2 process water samples analyzed for Specific Gravity @ \$25 per sample	\$ 50.00
2 process water samples analyzed for % Acid by Volume @ \$25 per sample	<u>50.00</u>
Amount Due .....	\$ 100.00